

ABSTRACT OF THE DISCLOSURE

An active implantable medical device, in particular a defibrillator/cardioverter, with a sophisticated discrimination of atrial fibrillations. This device is able to deliver therapy for defibrillation, cardioversion, and/or ventricular and/or atrial antitachycardiac pacing stimulation; sense the ventricular and atrial activity; identify a suspicion of and confirm the presence of episodes of tachycardia in the activity thus sensed; analyze the stability of detected RR intervals and the stability of the associated PR intervals; and, in the event of a detection of stable RR intervals and unstable PR intervals, discriminate between atrial fibrillation with fast ventricular rhythm and atrial fibrillation with ventricular tachycardia, and to control delivery of a differentiated therapy according to one case or the other. A bi-tachycardia discrimination also can be made.